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CALLER NUMBER NOTIFYING TELEPHONE

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it has been sent from a telephone line or an ISDN line, in the memory means, calls the preregistered pager after the line is disconnected, sends out the PB[1] signal which is equivalent to the caller number, and displays the caller's number on the pager.]

Abstract

Objective

It allows for an instant notification of the number of the caller who has made a call to a message telephone while the subscriber is absent, to a pager with a display, for example.

Constitution

It consists of a line interface unit (1), caller number memory unit (2), calling end memory (3), reply message storage unit (4), PB signal generating system (5), codec (6), and a controlling unit (7), and sends out the caller's number by the function of the controlling unit when the caller's number is contained in the arriving signals.

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Keys: A   To the line
       1   Line interface unit
       2   Caller's number memory unit
       3   Calling designation memory unit
       4   Reply message storage unit
       5   PB signal generating system
       6   Codec unit
       7   Control unit

Claims[2]

1. A caller number notifying telephone characterized by consisting of: a line interface unit, which can be connected to a telephone line or an ISDN line; incoming transmission

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[1] [Editor's note: PB is short of the Japanese term "pocket bell," i.e., a pager.]
[2] [Editor's note: For the sake of comprehensibility, the entire of Claim 1 has been translated.]

detecting means; reply message sending means; call completion detecting means on the calling side; caller number memory unit; PB signal generating means; memory means at the calling end; and a control unit which controls these. The aforementioned control means automatically replies when the aforementioned incoming transmission detecting means detects the arrival of a transmission, and sends out a reply message from the aforementioned reply message sending means, also stores the caller's number in the aforementioned caller number memory means, if it has been sent from the line at the time of said arrival of the transmission, disconnects the line when the completion of the call by the caller is detected by the aforementioned call completion detecting means, or the specific operation of this system is completed, calls the number which is stored in the aforementioned calling end memory means, generates the PB signal which is equivalent to the number that has been stored in the aforementioned caller number memory means, at the aforementioned PB signal generating system when the calling end replies, and sends it out to the calling end.

[0005]
Operation
When a transmission arrives with the caller's number attached, that transmission is automatically replied. When the specific operation is completed, a pre-registered pager, is called, the PB signal which is equivalent to the caller's number is sent out, and the caller's number is displayed at the pager. While a conventional message telephone sends out only the self-ID (the telephone number of the message telephone, for example), this sends out the telephone number of the caller who has called the message telephone, and this is significantly different from the conventional technology.